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| 09/922,062 | 08/02/2001 | Christoph A. Aktas | 2001 P 13667 US | 7581 |

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Siemens Corporation
Attn: Elsa Keller, Legal Administrator
Intellectual Property Department
186 Wood Avenue South
Iselin, NJ 08830

EXAMINER

PATEL, ASHOKKUMAR B

ART UNIT PAPER NUMBER

2154

DATE MAILED: 05/24/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/922,062

Applicant(s)

AKTAS ET AL.

Examiner

Ashok B. Patel

Art Unit

2154

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 January 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-24 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 1/21/05.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date: _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. Claims 1-24 are subject to examination.

Response to Arguments

2. Applicant's arguments with respect to claims 1, 5, 13 and 17 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-4, 13-16, 21 and 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Owens et al. (hereinafter Owens)(US 6,633,630) in view of Horvitz et al. (hereinafter Horvitz) (US 2003/0046421 A1).

Referring to claim 1,

Owens discloses a multimedia mailbox system (Abstract, col. 5, lines 14-25), comprising: a message store 10 for storing multimedia messages (Fig. 1; col. 5, lines 59-65); and a conversion means for converting messages in one medium to messages in another medium (col. 7, lines 34-37; text to speech conversion), said conversion means converting messages based on a type of target device being used to access the stored message (col. 7, lines 39-48).

Although Owens teaches organizing means for organizing content in col. 11, lines 62 through col. 12, line 2 "the receiver has several immediate filter and forward options based on who sent the message (as determined by the

originator's e-mail address.) Additional rules include keyword searches on subjects and priority/high importance messages: No forwarding--hold the e-mail message in the computer access message repository for later on-line dial-in. ", Owens fails to teach organization means for organizing content of the stored message into a template. said template including information fields selected by a user and a number of characters for each field selected by said user, wherein said stored message is available for access in accordance with said template for said user.

Horvitz teaches organization means for organizing content of the stored message into a template. said template including information fields selected by a user and a number of characters for each field selected by said user, wherein said stored message is available for access in accordance with said template for said user. (page 2, para.[0016], [0017], page 12, para.[0124] through page 14, para.[0212])

Therefore, it would have been obvious to one having ordinary skill in the art at the time of invention was made to combine the teachings of Horvitz within the teachings of Owens such that with so much email being received, it would be most useful for a user to be able to have his or her computer automatically prioritize the email by importance or review urgency, and perform actions based on that prioritization and The text or other data can be formatted prior to delivery to a receiving modality such as a mobile device, wherein formatting can include compression and fragmentation, for example. The text can be compressed according to a specified compression setting that is settable by the user via the user interface, wherein a user-settable fragmentation setting can also be provided.

Referring to claim 2,

Owens discloses a system according to claim 1 wherein said conversion means includes at least two selected from the group consisting of a text to speech converter, a speech to text converter, and a fax to text converter (col. 7, lines 34-37, text to speech conversion; col. 7, lines 39-48, speech to text conversion).

Referring to claim 3,

Owens discloses a system according to claim 1 further comprising means for determining the type of target device being used to access the stored message (col. 10, lines 52-56).

Referring to claim 4,

Keeping in mind the teachings of Owens, Owens fails to specifically teach means for summarizing message contents based on the of target device being used to access the stored message.

Horvitz also teaches means for summarizing message content of a stored message that operates as a function of a type of target device being used to access the stored message (page 2, para.[0016], [0017], page 12, para.[0124] through page 14, para.[0212]).

Therefore, it would have been obvious to one having ordinary skill in the art at the time of invention was made to combine the teachings of Horvitz within the teachings of Owens such that with so much email being received, it would be most useful for a user to be able to have his or her computer automatically prioritize the email by importance or review urgency, and perform actions based on that prioritization and The text or other data can be formatted prior to delivery to a receiving modality such as a mobile device, wherein formatting can include compression and fragmentation, for example. The text can be compressed

according to a specified compression setting that is settable by the user via the user interface, wherein a user-settable fragmentation setting can also be provided.

Referring to claim 13,

Claim 13 is a method claim describing the process performed by the apparatus in claim 1. Therefore claim 13 is rejected for the same reasons as claim 1. 13.

Referring to claim 14,

Claim 14 is a method claim describing the process performed by the apparatus in claim 2. Therefore claim 14 is rejected for the same reasons as claim 2.

Referring to claim 15,

Claim 15 is a method claim describing the process performed by the apparatus in claim 3. Therefore claim 15 is rejected for the same reasons as claim 3.

Referring to claim 16,

Claim 16 is a method claim describing the process performed by the apparatus in claim 4. Therefore claim 16 is rejected for the same reasons as claim 4.

Referring to claim 21,

Keeping in mind the teachings of Owens, although Owens teaches organizing means for organizing content in col. 11, lines 62 through col. 12, line 2 "the receiver has several immediate filter and forward options based on who sent the message (as determined by the originator's e-mail address.) Additional rules include keyword searches on subjects and priority/high importance messages: No forwarding--hold the e-mail message in the computer access message repository for later on-line dial-in. ", Owens fails to specifically teach "A system according to claim 1 wherein information fields include sender name, time, summary, message priority and un-summarized text.

Horvitz teaches "A system according to claim 1 wherein information fields include sender name, time, summary, message priority and un-summarized text. (page 2, para.[0016], [0017], page 12, para.[0124] through page 14, para.[0212])

Therefore, it would have been obvious to one having ordinary skill in the art at the time of invention was made to combine the teachings of Horvitz within the teachings of Owens such that with so much email being received, it would be most useful for a user to be able to have his or her computer automatically prioritize the email by importance or review urgency, and perform actions based on that prioritization and The text or other data can be formatted prior to delivery to a receiving modality such as a mobile device, wherein formatting can include compression and fragmentation, for example. The text can be compressed according to a specified compression setting that is settable by the user via the user interface, wherein a user-settable fragmentation setting can also be provided.

Referring to claim 23,

Claim 23 is a method claim describing the process performed by the apparatus in claim 21. Therefore claim 23 is rejected for the same reasons as claim 21.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. Claims 5-12, 17-20, 22 and 24 are rejected under 35 U.S.C. 102(e) as being anticipated by Horvitz et al. (hereinafter Horvitz) (US 2003/0046421 A1).

Referring to claim 5,

Horvitz discloses a mailbox system (Abstract), comprising: a message store for storing messages (Fig. 1; col. 5, lines 59-65). Horvitz also teaches means for summarizing message content of a stored message that operates as a function of a type of target device being used to access the stored message; and organization means for organizing the message content of the stored message into a template. said template including information fields selected by a user and a number of characters for each field selected by said user, wherein said stored message is available for access in accordance with said template for said user. (page 2, para.[0016], [0017], page 12, para.[0124] through page 14, para.[0212])

Referring to claims 6 ,7 and 8,

Horvitz teaches wherein said means for summarizing is operative to summarize a stored message based on a predefined set of target device related parameters, and wherein said predefined set of target device related parameters includes target device display size, and wherein said predefined set of target device parameters includes target device buffer size. (page 2, para.[0017]).

Referring to claims 9, 10, 11 and 12,

Horvitz teaches wherein said target device is a mobile device (page 2, para.[0017]).), and wherein said mobile device is a pager, and wherein said mobile device is a PDA., and wherein said mobile device is a cell phone (page 7 , para.[0083], page 11, para.[0115]).

Referring to claim 17,

Claim 16 is a method claim describing the process performed by the apparatus in claim 5. Therefore claim 17 is rejected for the same reasons as claim 5.

Referring to claims 18 ,19 and 20,

Claims 18 and 19 are method claims describing the process performed by the apparatus in claims 6 ,7 and 8. Therefore claims 18 and 19 are rejected for the same reasons as claims 6 ,7 and 8.

Referring to claim 22,

Horvitz teaches "A system according to claim 5 wherein information fields include sender name, time, summary, message priority and un-summarized text. (page 2, para.[0016], [0017], page 12, para.[0124] through page 14, para.[0212]).

Referring to claim 24,

Claim 24 is a method claim describing the process performed by the apparatus in claim 22. Therefore claim 24 is rejected for the same reasons as claim 22.

Conclusion

Examiner's note: Examiner has cited particular columns and line numbers in the references as applied to the claims above for the convenience of the applicant.

Although the specified citations are representative of the teachings of the art and are applied to the specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant in preparing responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the Examiner.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ashok B. Patel whose telephone number is (571) 272-3972. The examiner can normally be reached on 8:00am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John A. Follansbee can be reached on (571) 272-3964. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Abp

 JOHN FOLLANSBEE
SUPERVISOR
EXAMINER
TECHNOLOGY CENTER 2100

FIG 1

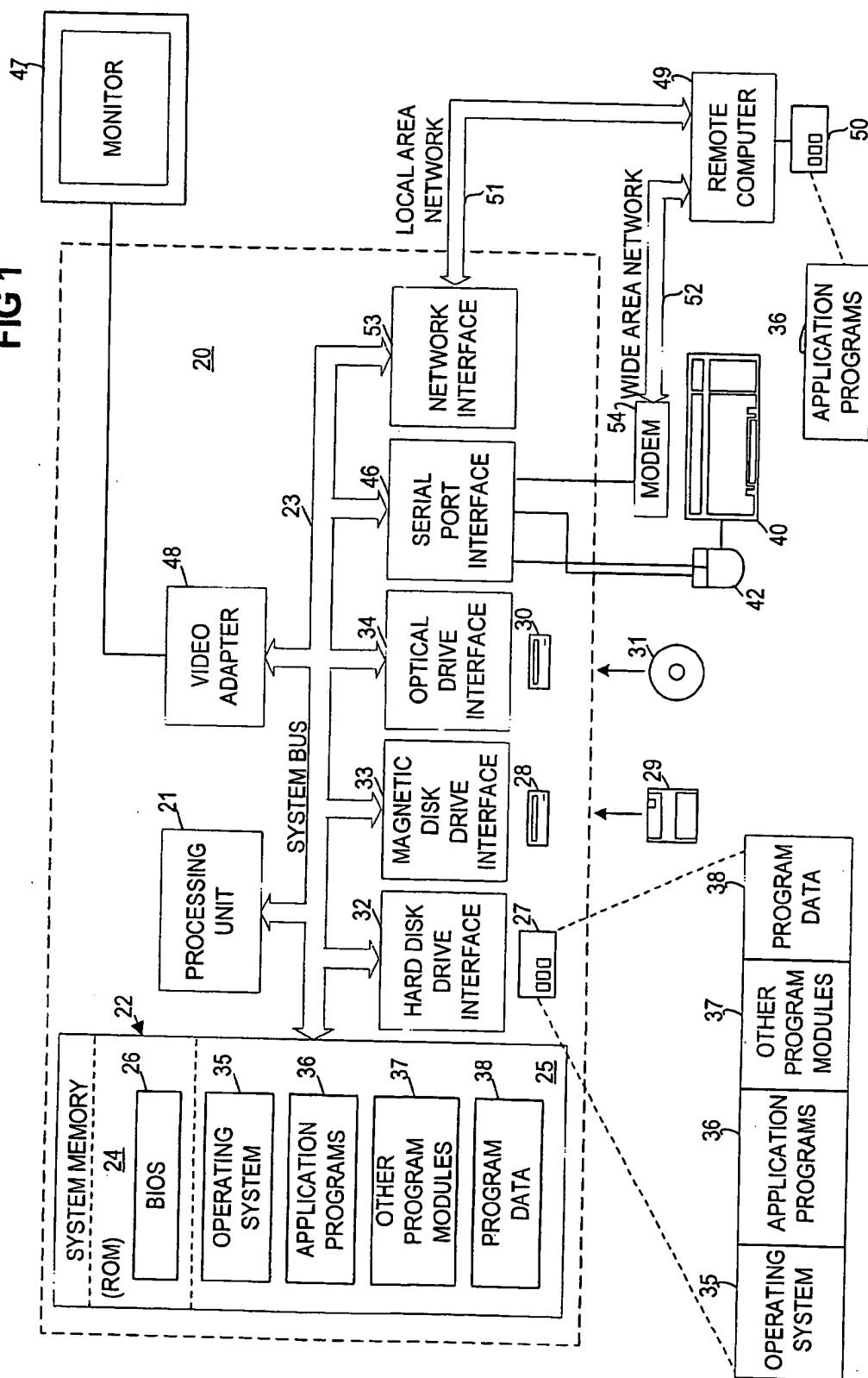


FIG 2

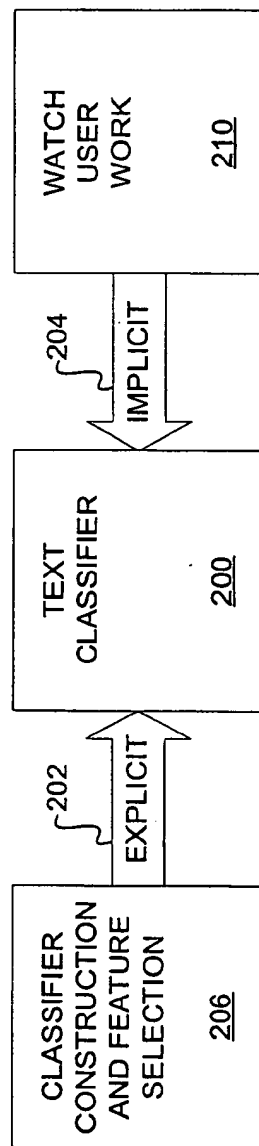


FIG 3

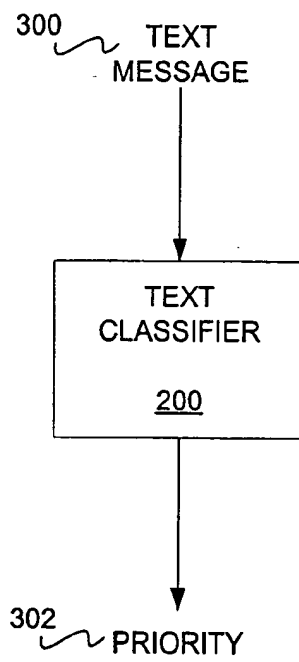


FIG 4(a)

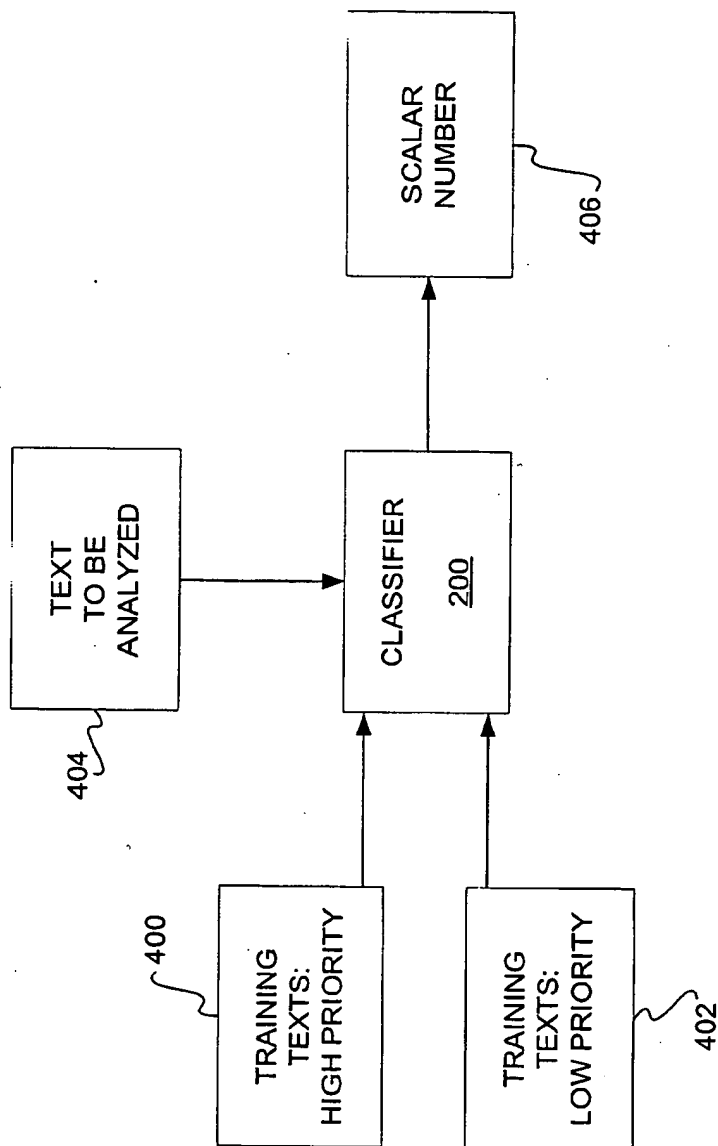


FIG 4(b)

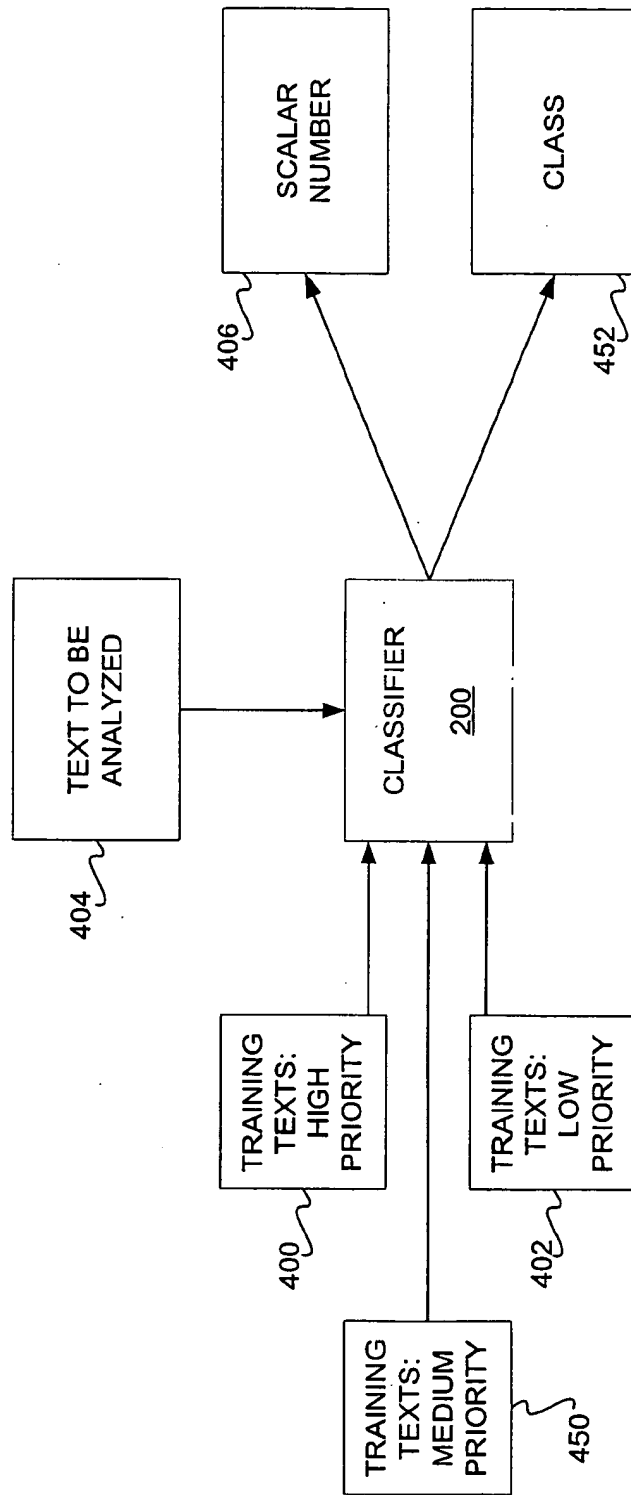


FIG 5(a)

LINEAR:

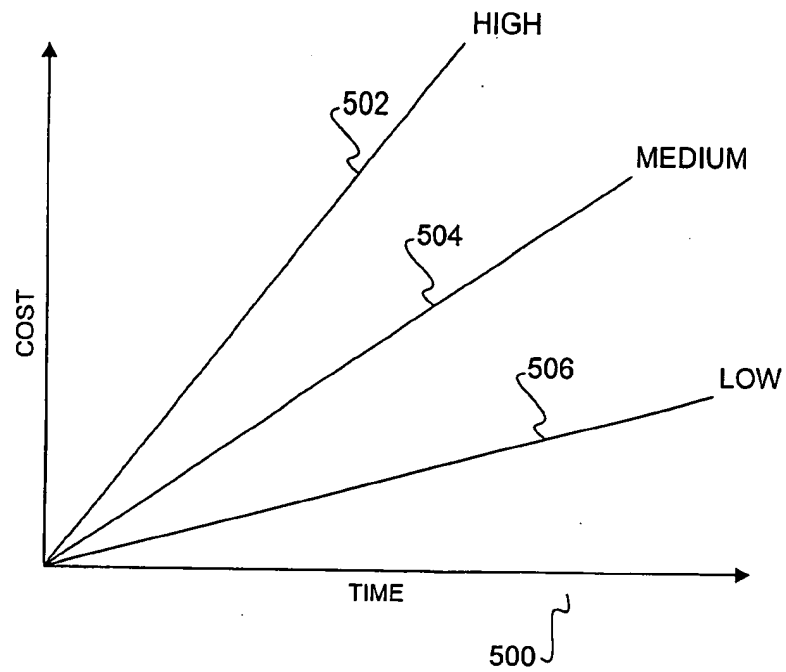


FIG 5(b)

NON-LINEAR:

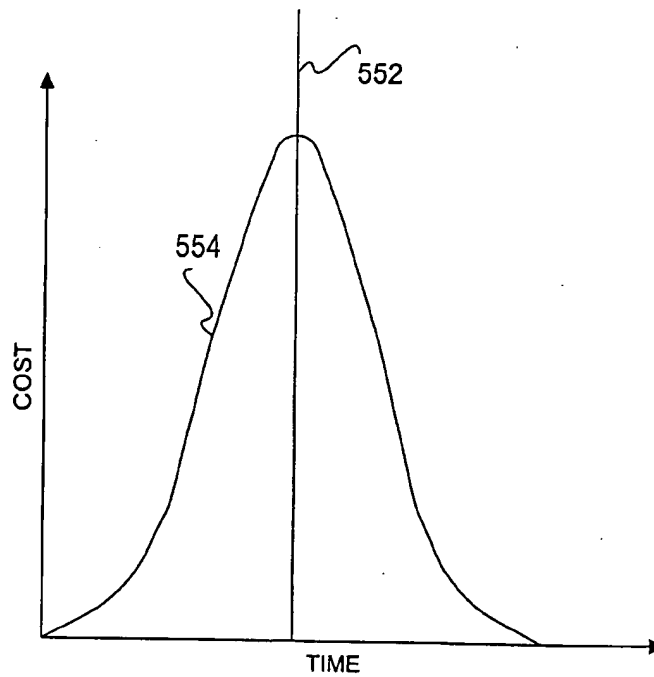


FIG 6

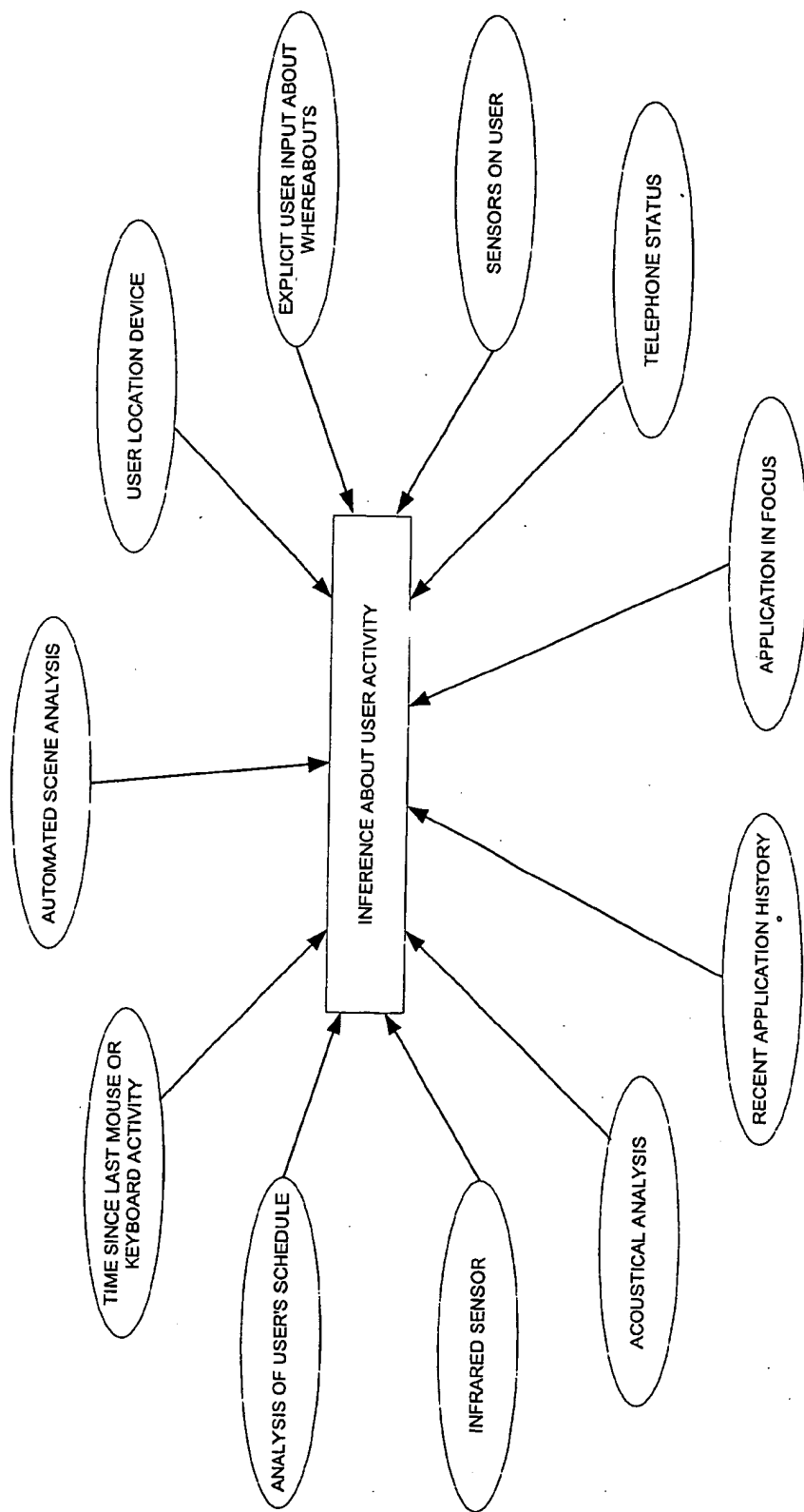


FIG 7

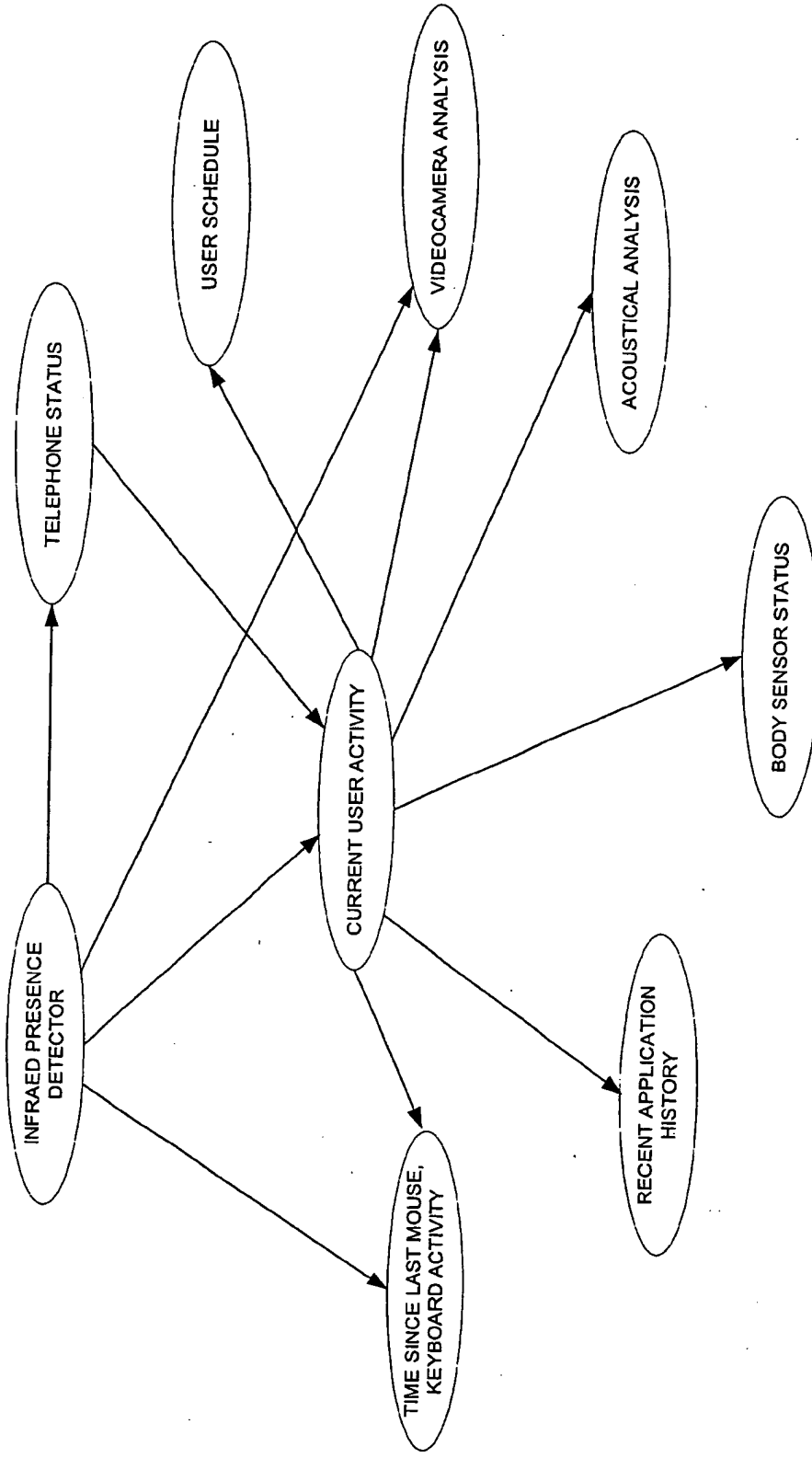


FIG 8

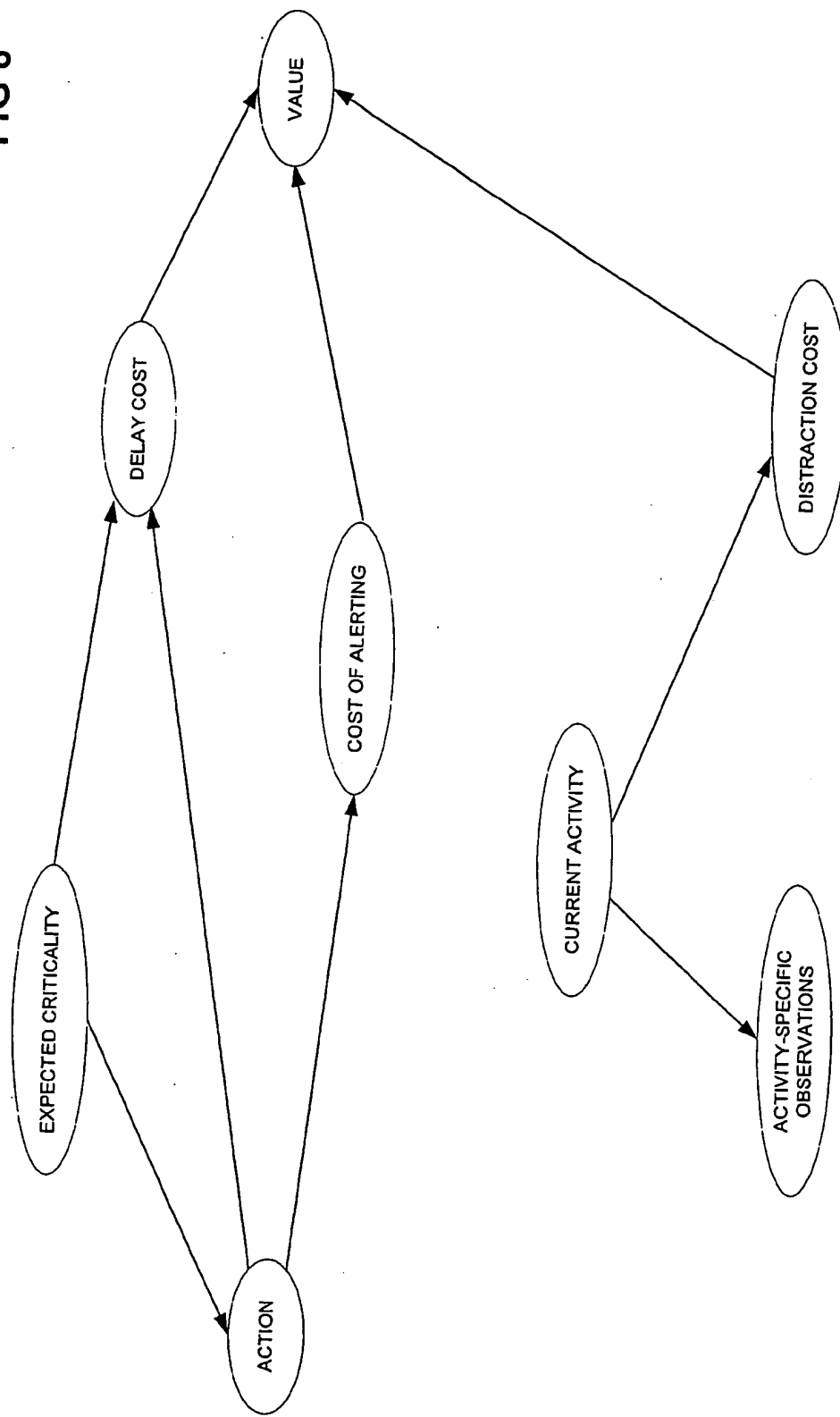


FIG 9

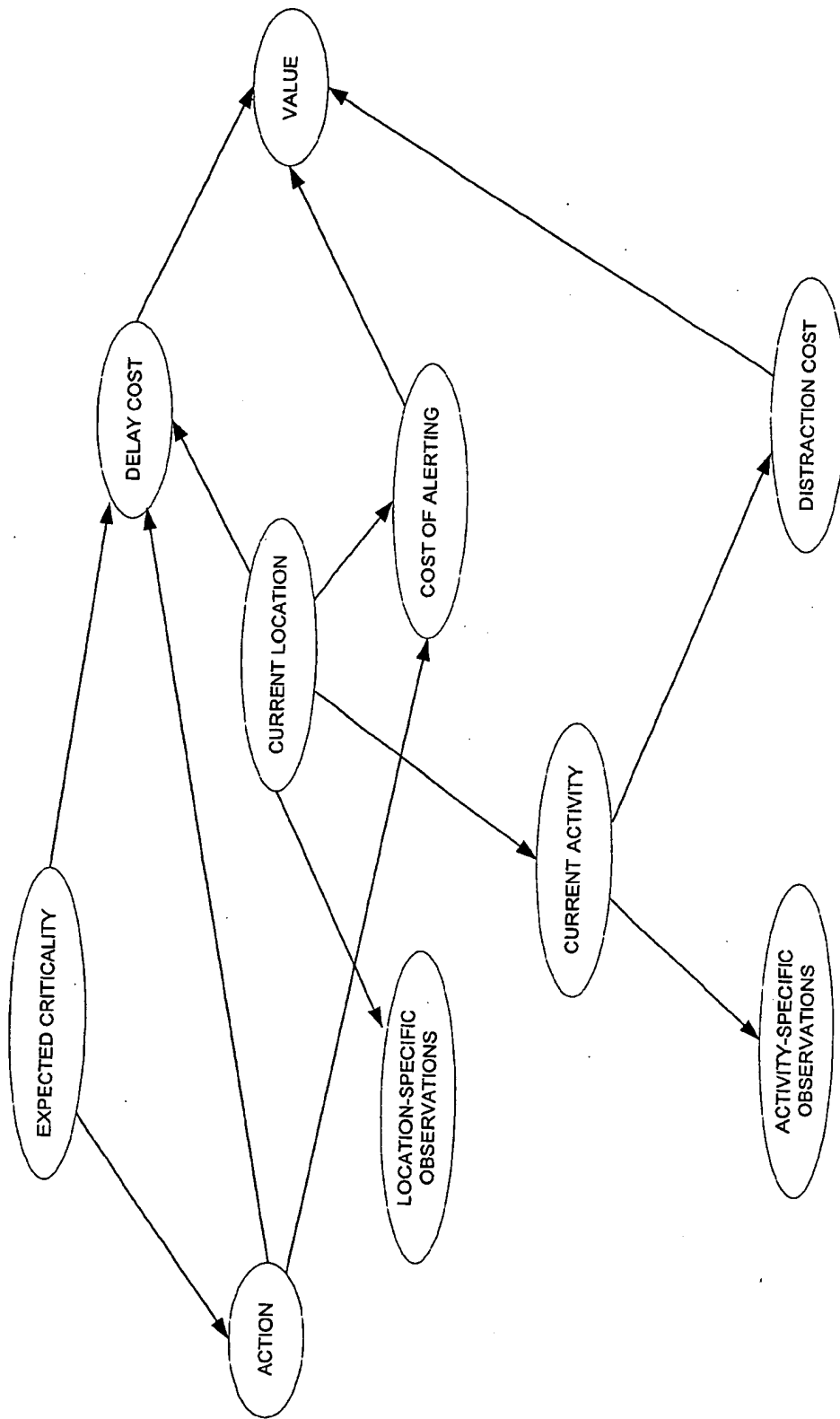


FIG 10

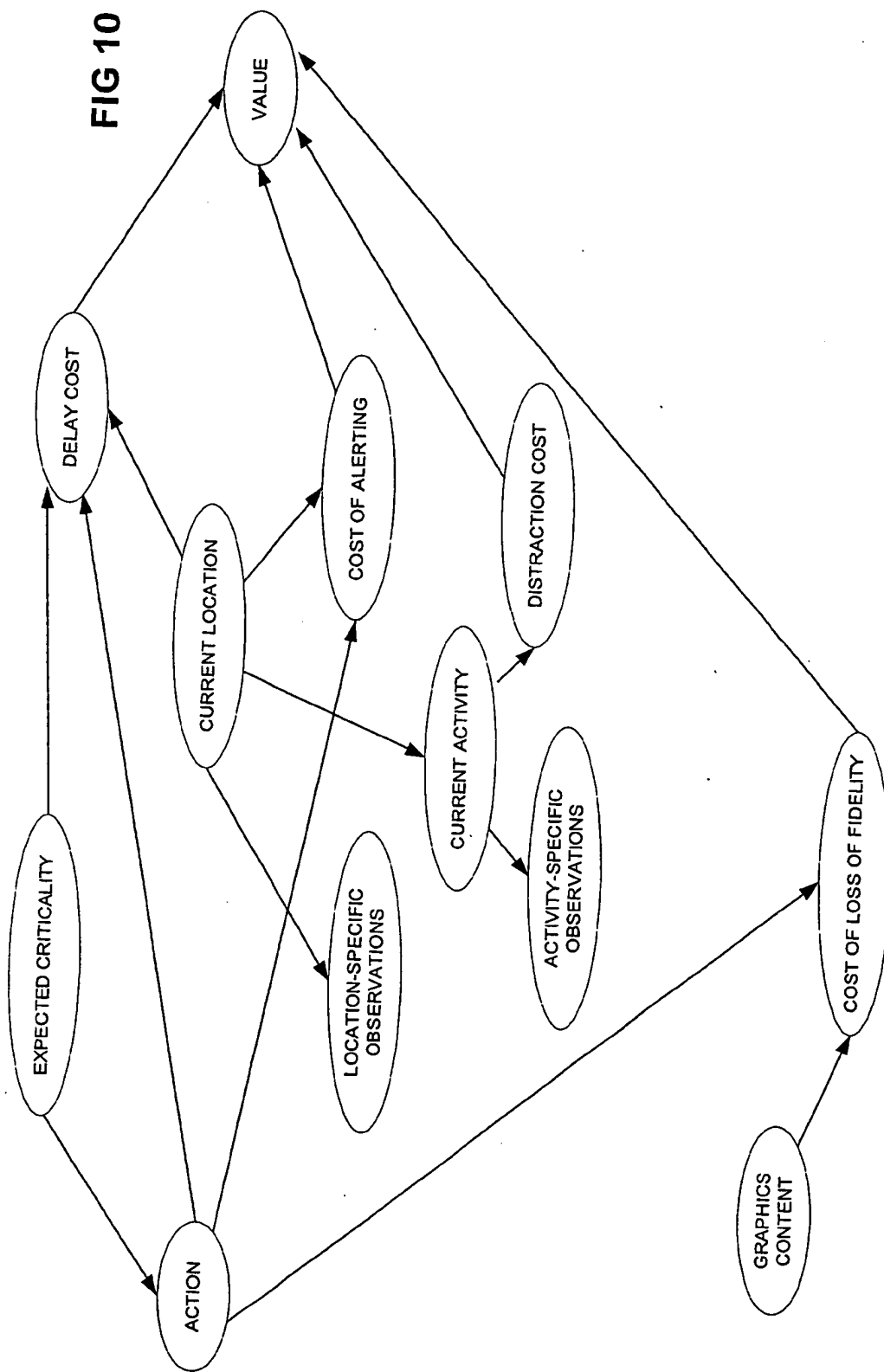


FIG 11

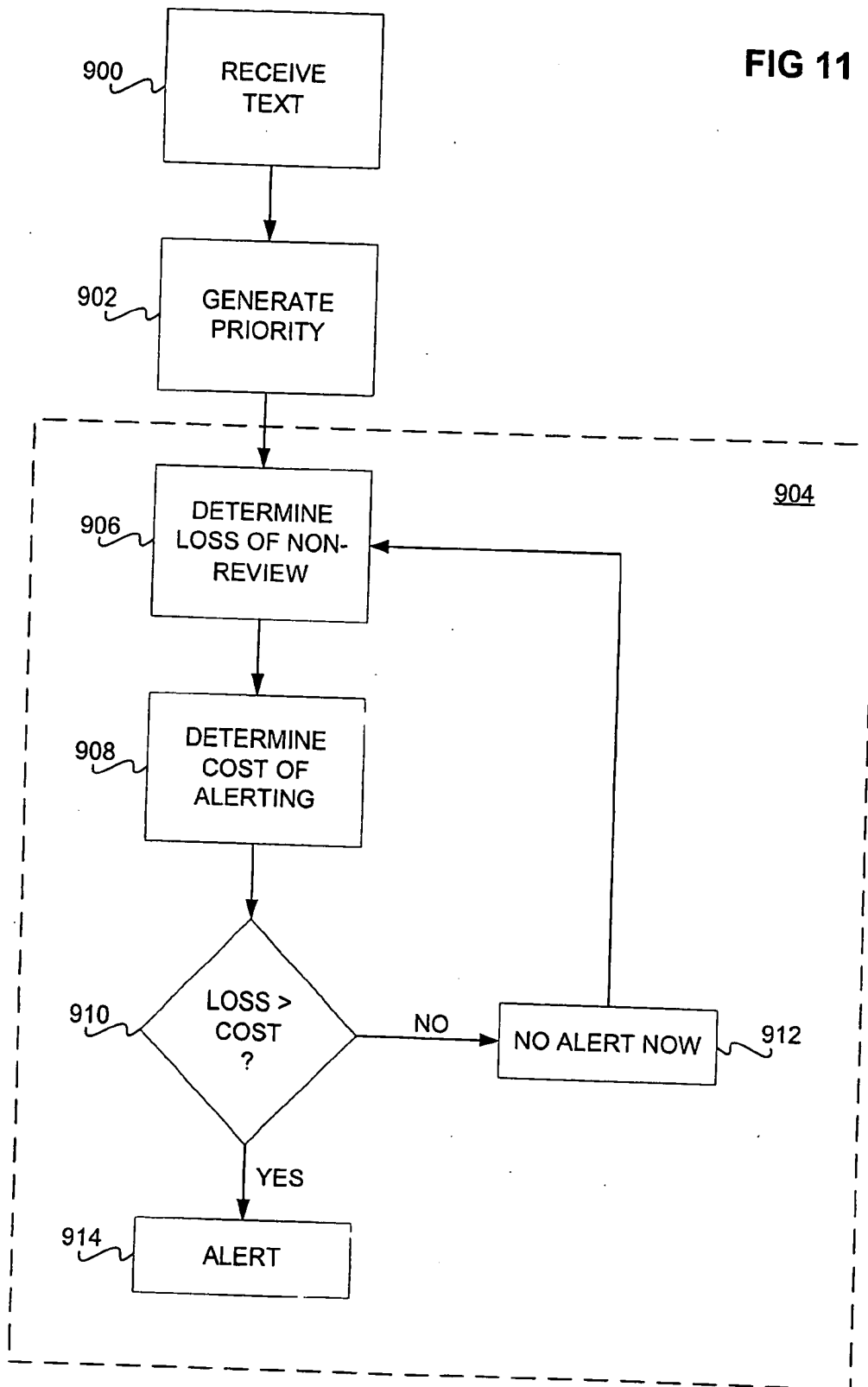


FIG 12

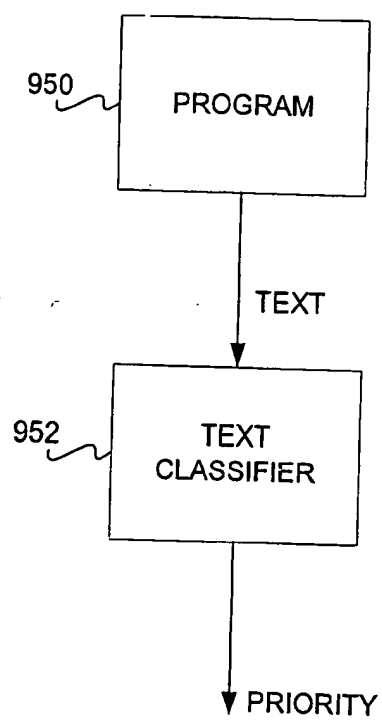
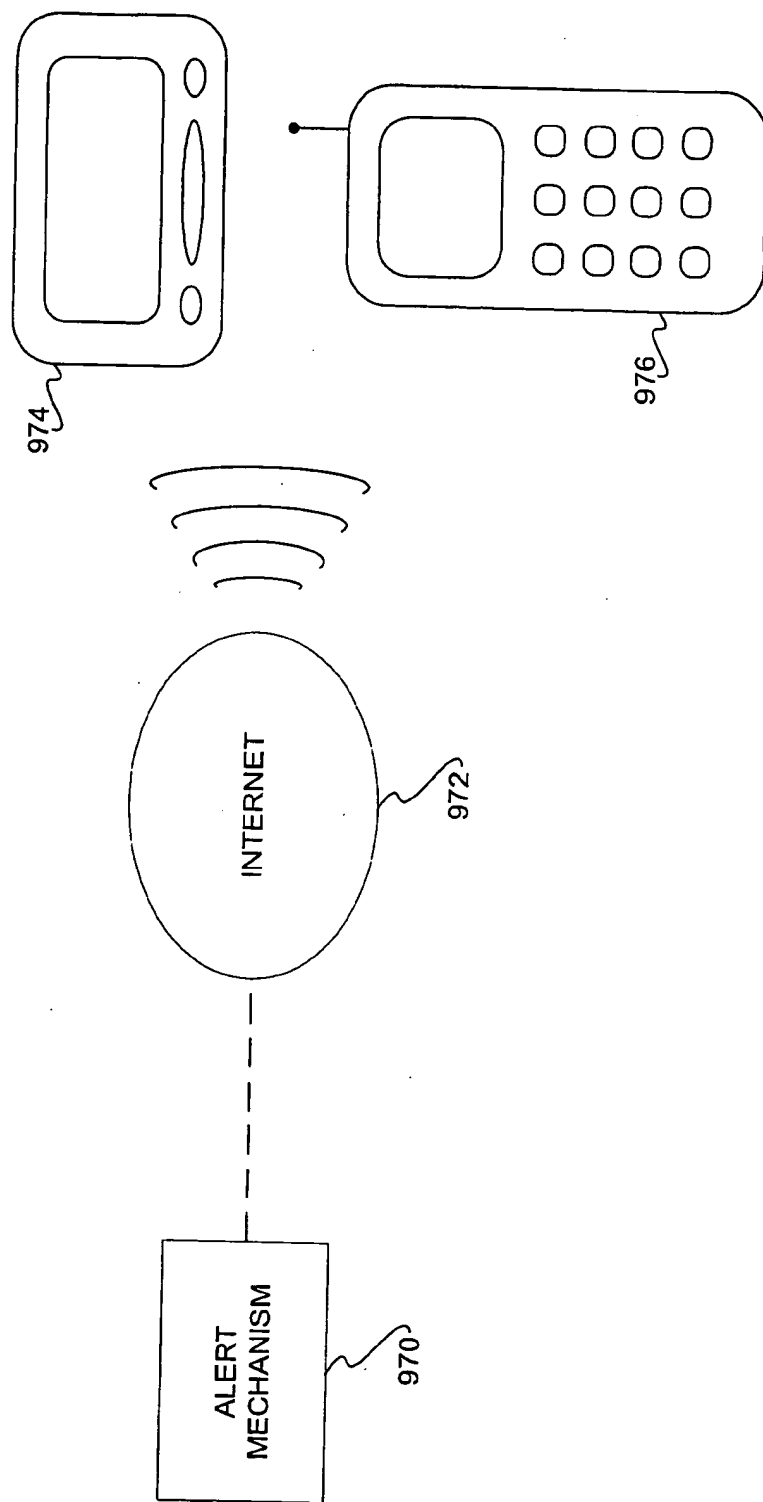


FIG
13(a)



[illegible]

**FIG
13(c)**

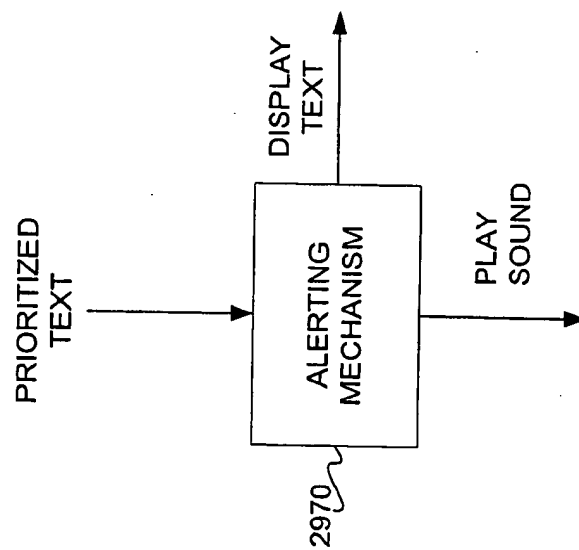


FIG 14(a)

BEYOND THE DESKTOP

980

PAGER/CELL PHONE E-MAIL:

4255555555@MOBILE.PHONECO.NET

NEW MAIL NOTIFICATION



NOTIFY ME ABOUT NEW MAIL WHEN ITS PRIORITY IS GREATER THAN AND WHEN I HAVE BEEN AWAY FROM MY COMPUTER FOR MINUTES.

982



ONLY BETWEEN AND

984



ONLY NOTIFY ME DURING A MEETING IF PRIORITY IS OVER:

986

[illegible]

FIG 14(c)

1990

FORWARD

CUSTOM REPLY

1992

REPLY TO E-MAIL

☐ IF I'M AWAY FOR:

MINUTES AND PRIORITY IS OVER:

THEN REPLY TO

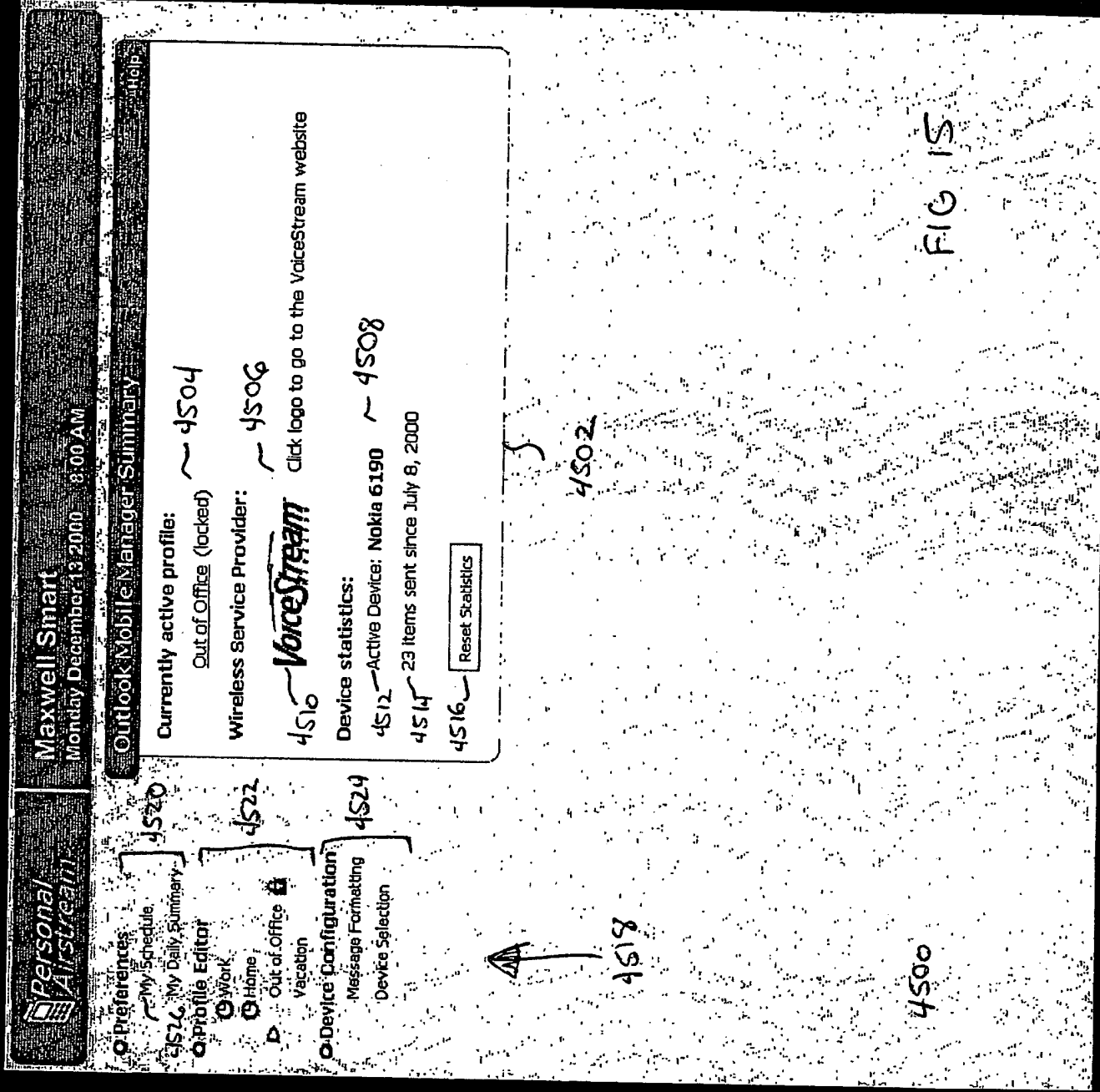
SENDER WITH THIS TEXT:

ERIC HAS BEEN OUT OF OFFICE IN MEETINGS QUITE A BIT TODAY. IF THIS IS TIME
CRITICAL, YOU CAN REACH HIM BY CELL PHONE AT 425-555-5555.

FIG 14(d)

MOMM

Setup UI



Best Available Copy

Monday December 13 2000 8:00 AM

Device Selection.

100

Scheduled profiles

Use Work profile

15.1

Every

SHS

from

1

Home profile with

00000000

Fig 19

MOMM Setup UI

Personal Airstream

Maxwell Smart

Monday, December 13 2000 8:00 AM

My Daily Summary

Help

Preferences

My Schedule

Profile Editor

Work

Home

Out of Office

Vacation

Device Configuration

Message Formatting

Device Selection

1520

1530

1522

1524

Personal Airstream will send calendar summaries to your device at the time you specify.

On which days of the week?

☒ Every day
 ☐ Every working day

At what time of day?

7:30 AM

The summary for which day?

☒ the current day
 ☐ the next working day

To send a calendar summary to your device now click here:

Send Summary Now

1540

1542

1544

1546

1538

1540

1542

1544

1546

1548

1550

1552

1554

1556

1558

1600

Best Available Copy

Personal Airstream

Monday, December 13, 2000 8:00 AM

My Schedule

My Daily Summary

Work

720 19 Home - 4532

Out of Office

Vacation -

6. Device Configuration

Message Formatting

Device Selection

0550

Using Rules:

Using the Outlook Rules Wizard, additional messages can be delivered to your device.

Click here to run the Outlook Rules Wizard.

4562

Reminders

☒ Reminders: send reminders to my wireless device

Personal Airstream will send reminders to your wireless device about events on your calendar or tasks in your task list.

1-951-1795

Only after my computer is idle for at least

Do Not Disturb

Do Not Disturb ☒ Use Do Not Disturb options

Personal Airstream will hold messages and check to see if you are using your computer to prevent sending you information when you do not need or want to receive it.

Hold my messages:

☒ Only deliver messages every 15 minutes

☒ or until there are messages to send.

FIG 18

Check to see if I am using my computer:

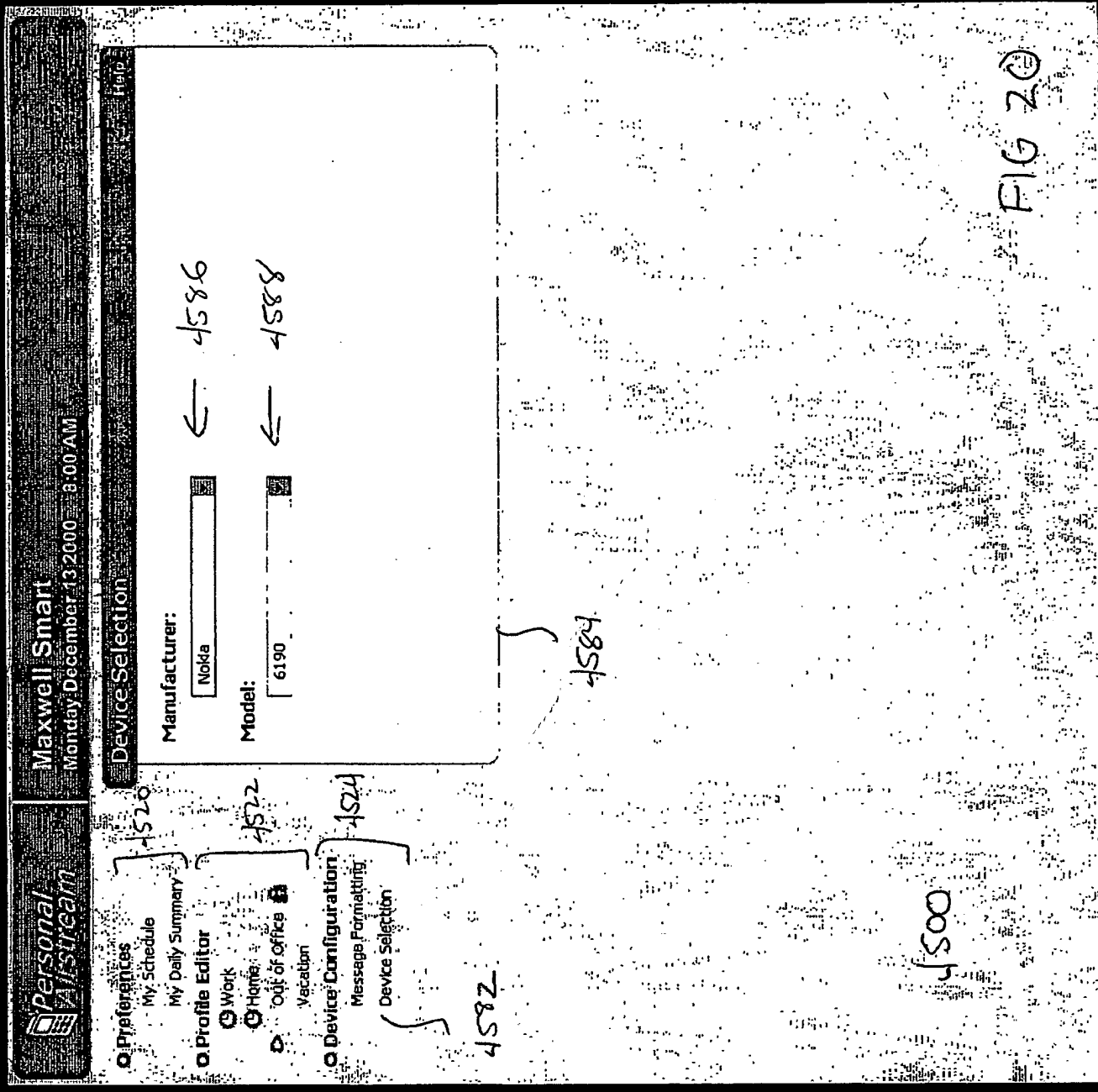
Only deliver messages after my computer is idle for

8057

Best Available Copy

MOMM Setup UI

Best Available Copy



2005

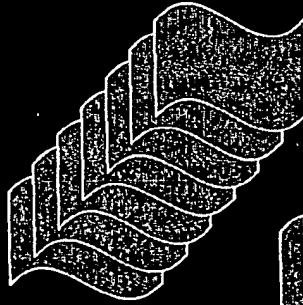
FIG 21

Building a Classifier for Urgency

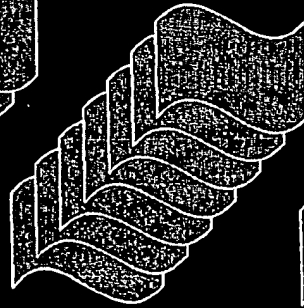
Training set

SS00

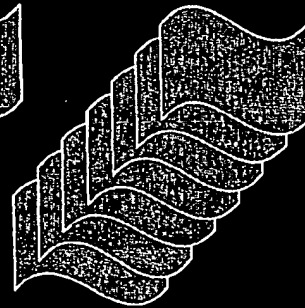
4



High



Norm



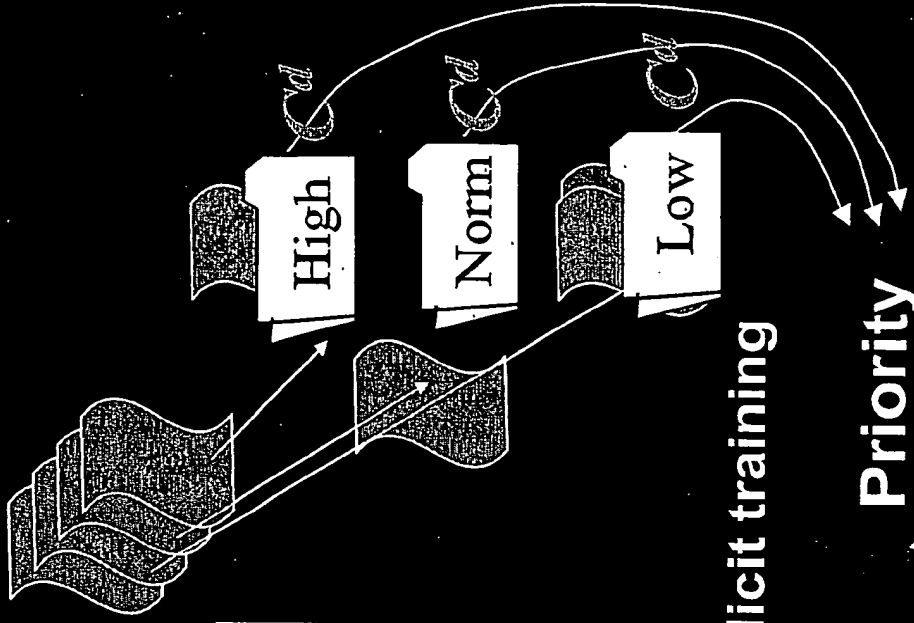
Low

FIG 22

Real-time classification

SS02

4



Classification
Procedure

(Naïve Bayes, SVM)

- Feature selection
- Classifier construction

Implicit and/or explicit training